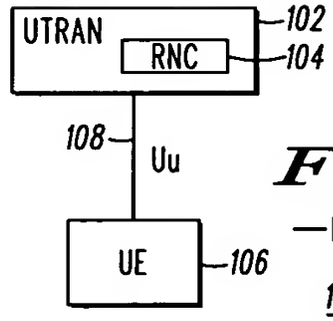

FIG. 1
—PRIOR ART—

EXHIBIT 1005 - 54 of 2004

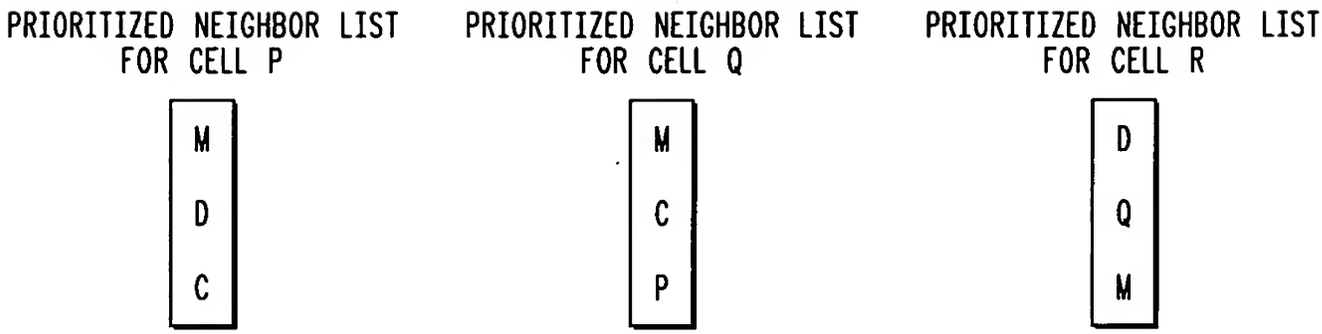

FIG. 9

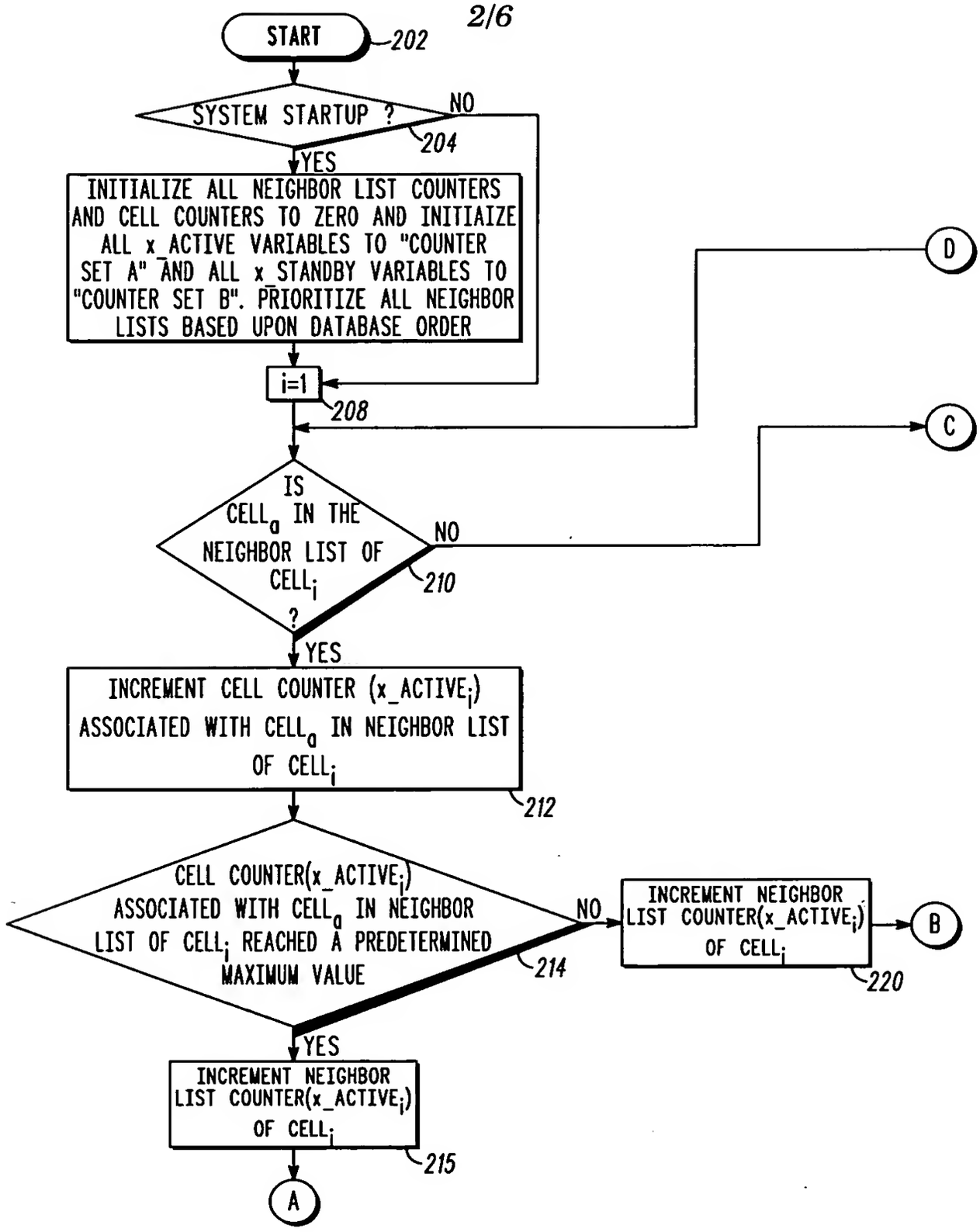
START
202
SYSTEM STARTUP ?
NO
204
YES
INITIALIZE ALL NEIGHBOR LIST COUNTERS AND CELL COUNTERS TO ZERO AND INITIAIZE ALL x_ACTIVE VARIABLES TO "COUNTER SET A" AND ALL x_STANDBY VARIABLES TO "COUNTER SET B". PRIORITIZE ALL NEIGHBOR LISTS BASED UPON DATABASE ORDER
i=1
208
D
C
IS CELL$_a$ IN THE NEIGHBOR LIST OF CELL$_i$?
NO
210
YES
INCREMENT CELL COUNTER (x_ACTIVE$_i$) ASSOCIATED WITH CELL$_a$ IN NEIGHBOR LIST OF CELL$_i$
212
CELL COUNTER(x_ACTIVE$_i$) ASSOCIATED WITH CELL$_a$ IN NEIGHBOR LIST OF CELL$_i$ REACHED A PREDETERMINED MAXIMUM VALUE
NO
214
INCREMENT NEIGHBOR LIST COUNTER(x_ACTIVE$_i$) OF CELL$_i$
220
B
YES
INCREMENT NEIGHBOR LIST COUNTER(x_ACTIVE$_i$) OF CELL$_i$
215
A

FIG. 2A

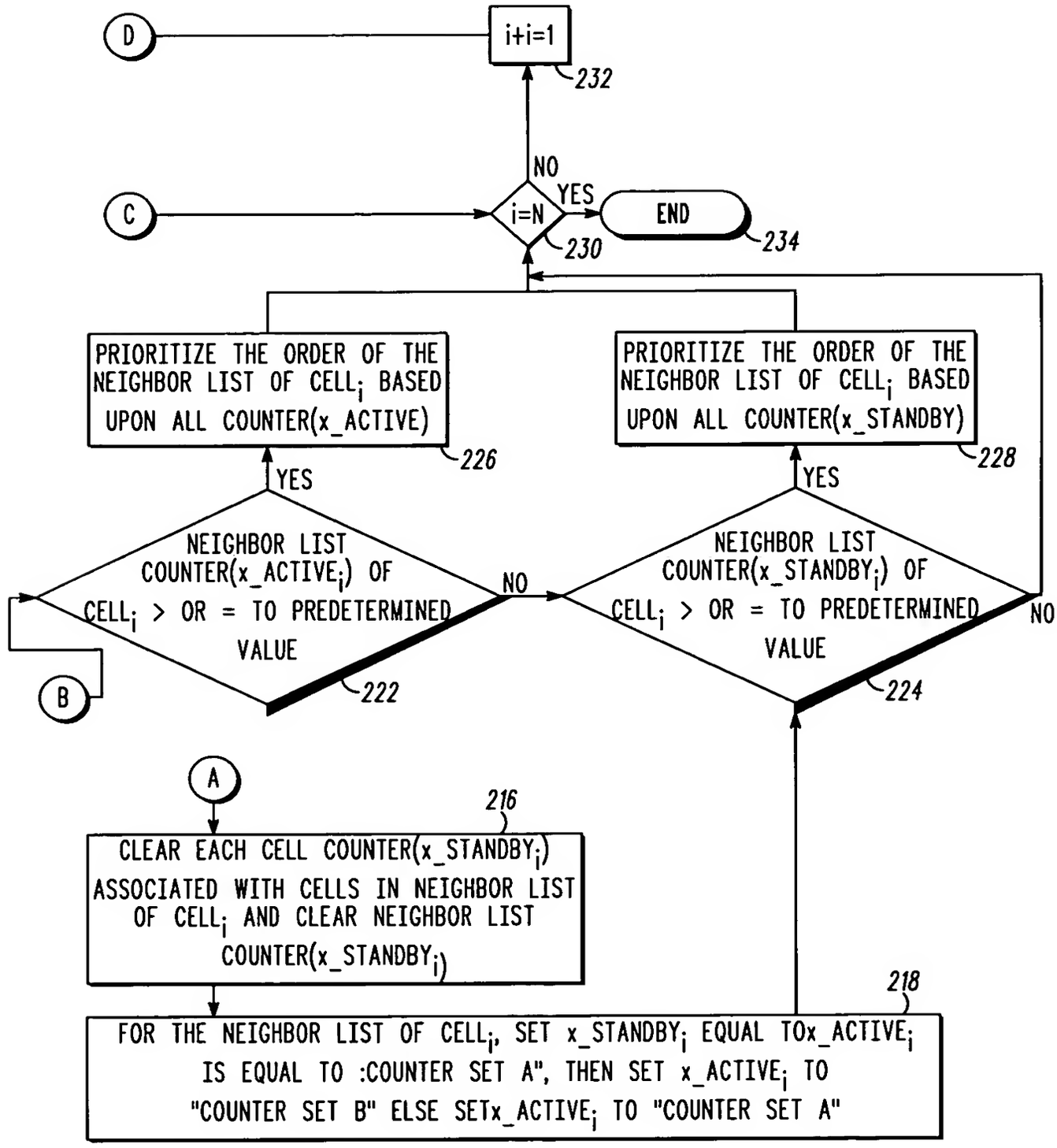
D
i+i=1
232
NO
C
i=N
YES
END
230
234
PRIORITIZE THE ORDER OF THE NEIGHBOR LIST OF CELL$_i$ BASED UPON ALL COUNTER(x_ACTIVE)
226
PRIORITIZE THE ORDER OF THE NEIGHBOR LIST OF CELL$_i$ BASED UPON ALL COUNTER(x_STANDBY)
228
YES
YES
NEIGHBOR LIST COUNTER(x_ACTIVE$_i$) OF CELL$_i$ > OR = TO PREDETERMINED VALUE
NO
NEIGHBOR LIST COUNTER(x_STANDBY$_i$) OF CELL$_i$ > OR = TO PREDETERMINED VALUE
NO
B
222
224
A
216
CLEAR EACH CELL COUNTER(x_STANDBY$_i$) ASSOCIATED WITH CELLS IN NEIGHBOR LIST OF CELL$_i$ AND CLEAR NEIGHBOR LIST COUNTER(x_STANDBY$_i$)
218
FOR THE NEIGHBOR LIST OF CELL$_i$, SET x_STANDBY$_i$ EQUAL TOx_ACTIVE$_i$ IS EQUAL TO :COUNTER SET A", THEN SET x_ACTIVE$_i$ TO "COUNTER SET B" ELSE SETx_ACTIVE$_i$ TO "COUNTER SET A"

FIG. 2B

NEIGHBOR LIST FOR CELL P — 302

CELL	COUNTER SET A	COUNTER SET B
D	0	0
C	0	0
M	0	0
NEIGHBOR LIST COUNTER	0	0

X_ACTIVE=COUNTER SET A
X_STANDBY=COUNTER SET B

FIG. 3

CELL C ADDED TO ACTIVE SET →

NEIGHBOR LIST FOR CELL P — 304

CELL	COUNTER SET A	COUNTER SET B
D	0	0
C	1	0
M	0	0
NEIGHBOR LIST COUNTER	1	0

X_ACTIVE=COUNTER SET A
X_STANDBY=COUNTER SET B

NEIGHBOR LIST FOR CELL P — 402

CELL	COUNTER SET A	COUNTER SET B
D	195	0
C	275	0
M	203	0
NEIGHBOR LIST COUNTER	673	0

X_ACTIVE=COUNTER SET A
X_STANDBY=COUNTER SET B

FIG. 4

CELL C ADDED TO ACTIVE SET →

NEIGHBOR LIST FOR CELL P — 404

CELL	COUNTER SET A	COUNTER SET B
D	195	0
C	**276**	0
M	203	0
NEIGHBOR LIST COUNTER	**674**	0

X_ACTIVE=COUNTER SET A
X_STANDBY=COUNTER SET B

NEIGHBOR LIST FOR CELL P 502

CELL	COUNTER SET A	COUNTER SET B
D	195	0
C	299	0
M	203	0
NEIGHBOR LIST		
COUNTER	697	0
X_ACTIVE=COUNTER SET A		
X_STANDBY=COUNTER SET B		

CELL C ADDED TO ACTIVE SET →

NEIGHBOR LIST FOR CELL P 504

CELL	COUNTER SET A	COUNTER SET B
D	195	0
C	**300**	0
M	203	0
NEIGHBOR LIST		
COUNTER	**698**	0
X_ACTIVE=**COUNTER SET B**		
X_STANDBY=**COUNTER SET A**		

FIG. 5

NEIGHBOR LIST FOR CELL P 602

CELL	COUNTER SET A	COUNTER SET B
D	195	130
C	300	19
M	203	250
NEIGHBOR LIST		
COUNTER	698	399
X_ACTIVE=COUNTER SET B		
X_STANDBY=COUNTER SET A		

CELL C ADDED TO ACTIVE SET →

NEIGHBOR LIST FOR CELL P 604

CELL	COUNTER SET A	COUNTER SET B
D	195	130
C	**300**	**20**
M	203	250
NEIGHBOR LIST		
COUNTER	698	**400**
X_ACTIVE=COUNTER SET B		
X_STANDBY=COUNTER SET A		

FIG. 6

NEIGHBOR LIST FOR CELL P — 702

CELL	COUNTER SET A	COUNTER SET B
D	195	150
C	300	50
M	203	299
NEIGHBOR LIST		
COUNTER	698	499
X_ACTIVE=COUNTER SET B		
X_STANDBY=COUNTER SET A		

FIG. 7

CELL C ADDED TO ACTIVE SET →

NEIGHBOR LIST FOR CELL P — 704

CELL	COUNTER SET A	COUNTER SET B
D	195	150
C	300	**51**
M	203	299
NEIGHBOR LIST		
COUNTER	698	**500**
X_ACTIVE=COUNTER SET B		
X_STANDBY=COUNTER SET A		

NEIGHBOR LIST FOR CELL P — 802

CELL	COUNTER SET A	COUNTER SET B
D	195	150
C	300	51
M	203	299
NEIGHBOR LIST		
COUNTER	698	500
X_ACTIVE=COUNTER SET B		
X_STANDBY=COUNTER SET A		

FIG. 8

CELL M ADDED TO ACTIVE SET →

NEIGHBOR LIST FOR CELL P — 804

CELL	COUNTER SET A	COUNTER SET B
D	**0**	130
C	**0**	51
M	**0**	**300**
NEIGHBOR LIST		
COUNTER	**0**	**501**
X_ACTIVE=**COUNTER SET A**		
X_STANDBY=**COUNTER SET B**		